



Specification of Beetle Performance Version			
Product Name (English)		Beetle Performance Version	Beetle Pro Performance Version
Typical Product Features		Sweeping and dust collection	Sweeping and dust collection
Sales Region		Global	Global
Applicable Scenarios		<ul style="list-style-type: none"> Industrial settings: warehouses, factories, logistics hubs Hotels: conference halls and lobbies Outdoor areas: apartment complex public spaces, plazas, and campuses 	<ul style="list-style-type: none"> Industrial settings: warehouses, factories, logistics hubs Hotels: conference halls and lobbies Outdoor areas: apartment complex public spaces, plazas, and campuses
Picture			
Basic Information		Size (mm)	
		L960*W650*H680 (without side brush and flag)	L960*W650*H680 (without side brush and flag)
		L990*W750*H680 (with side brush and without flag)	L990*W750*H680 (with side brush and without flag)
		102	112
Basic Information		Weight (with battery, kg)	
		0-45	0-45
		Operation Temperature (°C)	
		10-85	10-85
Basic Information		Operation Humidity (% RH)	
		Sweeping	Sweeping
		Cleaning Type	
		Maximum theoretical cleaning efficiency (sqm/h)	Max. 3240 (normal cleaning mode)
Cleaning Components Parameters	Roller Brush	Maximum theoretical cleaning efficiency (sqm/h)	
		Roller brush (number)	Yes (1)
		Roller brush cleaning width (mm)	400
		Width of roller brush (mm)	400
	Side Brush	Max. speed of roller brush motor (r/min)	800
		Rated roller brush motor power (W)	150
		Side brush (number)	Yes (2)
		Cleaning width of side brushes (mm)	750
	Suction	Size of side brush (mm)	ø400
		Max. speed of side brush motor (r/min)	100
		Rated roller side motor power (W)	100
		Max. suction power (W)	115
	HEPA	Max. air suction volume (m³/h)	1500
		Max. size of waste that can be picked up (mm)	< L250 * W250 * H80 (hard trash, e.g., wood pieces, water bottles, etc.)
		Max. weight it can clean (g)	1200 / each trash
		HEPA size (mm)	310°*300°*40
Manoeuvrability	Trash Bin	HEPA Filter Area (sqm)	3
		Trash bin capacity (L)	45
		Diameter of drive wheel (mm)	140
		Max. obstacle pass-over height (mm)	15
		Max. gap pass-over width (mm)	25
		Max. Gradeability (°)	8° (14%) (length<10m)
		Min. pass width (mm)	750
		Min. U-turn width (mm)	1200
		Max. cleaning speed (m/s)	1.2
		Min. cleaning distance from the wall (mm)	0
		Max. Mapping area (sqm)	60,000 sqm
		Min. obstacle height it can detect (mm)	80
		Hanging obstacles detection	Support
		Anti-drop detection	Support
		Operation in a completely darkness environment	Support
		Stationary Forklift and AGV detection	Support
Intelligent Capabilities		Dynamic Obstacle Detection	Support (Moving People, Forklifts, AGVs, Cars)
		Spot cleaning	Support
		HEPA Dust Removal	Manual
		Power-Assist Handle	Yes
		Fill light at night	Support
		Work without light	Support
		Elevator Control	Optional
		Automatic Door Control	Optional
		Main sensor	3D LIDAR * 1
		Front oblique RGBD camera	Yes (1)
		Rear oblique RGB camera	Yes (1)
		Left RGB camera	Yes (1)
		Right RGB camera	Yes (1)
		Charging time (h)	2.5
		Runtime (h)	3
Electrical Parameters		Rated voltage	24V DC
		Max. output power (W)	500
		Rated Drive Motor Power (W)	220 * 2
		Battery Type	Lithium Iron Phosphate
		Battery capacity (Ah)	60
		Speaker volume (dBA)	Max. 85
		Operation noise (dBA)	Max. 70
		Push-behind handle	Standard
		Removable trash bin	Standard
		Screen size	7-inch
		Strobe light	Optional (blue)
		Front projection light	Optional (blue)
		Front fill light	Standard
		Robot status light	Standard
		Top visibility flag	Optional (Max. height from the ground: 1510 mm)
Other features		IP Level	IP3X
		Charging Dock	Standard